

10/607,099

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	514	(556/27).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/03/30 18:31
L2	561	(424/66).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/03/30 18:52
L3	773	(424/68).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/03/30 19:00
L4	6488	(424/401).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/03/30 19:01

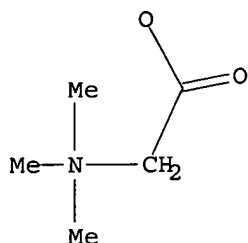
10/607,099

(FILE 'HOME' ENTERED AT 16:34:28 ON 30 MAR 2006)

FILE 'REGISTRY' ENTERED AT 16:35:18 ON 30 MAR 2006

L1 STRUCTURE UPLOADED

=> d l1  
L1 HAS NO ANSWERS  
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 full  
FULL SEARCH INITIATED 16:35:44 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 45695 TO ITERATE

100.0% PROCESSED 45695 ITERATIONS 1312 ANSWERS  
SEARCH TIME: 00.00.01

L2 1312 SEA SSS FUL L1

=> fil caplus  
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	166.94	167.36

FILE 'CAPLUS' ENTERED AT 16:35:50 ON 30 MAR 2006  
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FILE COVERS 1907 - 30 Mar 2006 VOL 144 ISS 14  
FILE LAST UPDATED: 29 Mar 2006 (20060329/ED)

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L3 NOT FOUND  
The L-number entered has not been defined in this session, or it has been deleted. To see the L-numbers currently defined in this session, enter DISPLAY HISTORY at an arrow prompt (=>).

=> s l2

L3 6486 L2

=> s l3 and aluminum  
915950 ALUMINUM

L4 88 L3 AND ALUMINUM

=> s l4 and zirconium  
199460 ZIRCONIUM

L5 15 L4 AND ZIRCONIUM

=> d 1-15 bib abs

L5 ANSWER 1 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:259839 CAPLUS

DN 142:322350

TI High efficacy gel with low glycol content

IN Popoff, Christine; Holerca, Marian; Henao, Diana; Brahms, John

PA Colgate-Palmolive Company, USA

SO PCT Int. Appl., 45 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005025523	A2	20050324	WO 2004-US29116	20040908
	WO 2005025523	A3	20050609		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRAI US 2003-501128P P 20030908

AB An elastomer-free, suspension-free, water-in-oil emulsion as a clear gel with a viscosity >150,000 cP; and an overall level of silicone emollients ≤ 3 weight % as: (a) an internal phase comprising a glycine-free antiperspirant active stabilized by betaine; and a glycol system having ≤7.5 weight % propylene glycol; and (b) an external phase comprising cyclomethicones; a silicone copolyol; and a fragrance solubilizer; wherein: the maximum level of volatile linear silicones is ≤ 1 weight %, the water content is > 30 weight %, and the external phase is free of silicone emollients with a refractive index > 1.4200. A gel emulsion contained cyclomethicone DC-245 11.50, dimethicone copolyol/cyclomethicone 6.5, PPG-3 myristyl ether 1.00, fragrance 1.0, 35% **aluminum zirconium** octasalt solution 55.0, water 13.2, tripropylene glycol 4.0, sodium chloride 1.0, ethanol 3.5, betaine 3.0, and propylene glycol 0.3%.

L5 ANSWER 2 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:160471 CAPLUS

DN 142:264099

TI Methods of treating subterranean zones and treating fluids therefor

IN Wilson, J. Michael; Harris, Phillip C.

PA USA

SO U.S. Pat. Appl. Publ., 6 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2005039918	A1	20050224	US 2003-643685	20030819
PRAI	US 2003-643685		20030819		

AB Methods of treating hydrocarbon reservoirs and treating fluids are provided. The methods are basically comprised of preparing or providing a reservoir treating fluid comprising an aqueous fluid and an additive for preventing the swelling and migration of formation clays in the reservoir, selected from the group consisting of 1-carboxy-N,N,N-trimethyl methanaminium chloride, 2-hydroxy-N,N,N-trimethyl ethanaminium acetate, and 2-hydroxy-N,N,N-trimethyl 1-propanaminium acetate. The salts are added at 0.1 to 2.0 weight% of the treatment fluid.

L5 ANSWER 3 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:1867 CAPLUS

DN 142:99982

TI Aluminum/zirconium/glycine antiperspirant actives stabilized with betaine

IN Holerca, Marian; Cai, Heng

PA USA

SO U.S. Pat. Appl. Publ., 12 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004265255	A1	20041230	US 2003-607099	20030626
	AU 2004253918	A1	20050113	AU 2004-253918	20040624
	CA 2530934	AA	20050113	CA 2004-2530934	20040624
	WO 2005003142	A1	20050113	WO 2004-US20372	20040624
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1638981	A1	20060329	EP 2004-756070	20040624
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				

PRAI US 2003-607099 A 20030626  
WO 2004-US20372 W 20040624

AB Disclosed is a stabilized aluminum/zirconium/glycine salt comprising a Betaine of Formula I as additive: 1 in a sufficient amount to have (a) an overall (Betaine + glycine)/Zr ratio in the range of 0.1-3.0:1, (b) a ratio of Betaine to glycine of at least 0.001:1; and (c) sufficient Betaine so that at least 0.1% of the ratio of Betaine + glycine is contributed by Betaine. The stabilizing effect of betaine on aluminum zirconium tetrachlorohydrate gly (Rezal AZP 908) was examined

L5 ANSWER 4 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:1036428 CAPLUS

DN 142:27948

TI High efficacy liquid antiperspirant/deodorant gel with low glycol content

IN Popoff, Christine

PA USA

SO U.S. Pat. Appl. Publ., 12 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004241196	A1	20041202	US 2003-448996	20030530
	CA 2526802	AA	20041216	CA 2004-2526802	20040521
	WO 2004108105	A1	20041216	WO 2004-US16230	20040521
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,				

CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,  
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
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NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,  
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW,  
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,  
AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,  
EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,  
SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,  
SN, TD, TG

EP 1635769 A1 20060322 EP 2004-753116 20040521  
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK

PRAI US 2003-448996 A 20030530  
WO 2004-US16230 W 20040521

AB The invention is a clear (50-250 NTU at 21.0°), high efficacy liquid gel composition which is a low viscosity (about 5000 to 75,000 cP) water-in-oil, elastomer-free emulsion. These liquid gels comprise a glycine-containing antiperspirant active with a low metal to chloride ratio in a high water content (>30 weight%) internal (aqueous) phase, a copolyol, and a fragrance solubilizer in the external phase. The external (oil) phase of the composition is free of silicone emollients that have a high refractive index (R.I. >1.4200). The liquid gel antiperspirant/deodorant compns. of this invention comprise a min. of at least 14 weight% of the active salt. For example, a gel composition contained cyclomethicone 15.20, Dow Corning 5225C 3.00, PPG-3 myristyl ether 2.00, fragrance 0.8, Al-Zr tetrachlorohydrate glycine (EXP Z522) antiperspirant 69.70, MP diol 3.50, water 3.30, granular NaCl 2.00, and propylene glycol 0.50%, resp.

L5 ANSWER 5 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:1036409 CAPLUS

DN 142:27946

TI High efficacy antiperspirant gel with low glycol content

IN Popoff, Christine; Chopra, Suman; Bustos, Mardoqueo; Tang, Xiaozhong; Fei, Lin

PA USA

SO U.S. Pat. Appl. Publ., 13 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004241122	A1	20041202	US 2003-448514	20030530
	CA 2525830	AA	20041216	CA 2004-2525830	20040521
	WO 2004108098	A2	20041216	WO 2004-US16238	20040521
	WO 2004108098	A3	20050303		

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GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,  
NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,  
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW,  
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,  
AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,  
EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,  
SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,  
SN, TD, TG

EP 1631242 A2 20060308 EP 2004-753123 20040521  
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK

PRAI US 2003-448514 A 20030530  
WO 2004-US16238 W 20040521

AB The invention is a clear, elastomer-free, gel composition comprising: (a) 14 to 30 weight% of an antiperspirant active having a low metal to chloride ratio; (b) 7 to 23.3 weight% of one or more cyclomethicones having a flash point of 100° or less; (c) 0.6 to 0.9 weight% of a silicone surfactant having an HLB value ≤ 8; (d) 30 to 70 weight% water; (e) 3.85 to 10 weight% of a water soluble glycol or polyglycol, and (f) 0.1 to 3.0 weight% of a

non-siliconized organic fragrance solubilizer; wherein the composition is a gel having a viscosity greater than 150,000 cP and a ratio of oil phase to water phase in the range of 10:90 to 24:76. For example, a gel composition contained cyclomethicone 11.00, Dow Corning 5225C 6.00, PPG-3 myristyl ether 2.00, fragrance 1.00, Al-Zr tetrachlorohydrex glycine complex (Z522) 70.00, MP diol 4.00, water 0.25, granular NaCl 2.50, ethanol 3.00, and propylene glycol 0.50%, resp.

L5 ANSWER 6 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2004:1014013 CAPLUS  
DN 141:429679  
TI Ink-jet printing sheet containing polyvalent metal compound  
IN Takashima, Masanobu; Endo, Toshiaki  
PA Fujii Photo Film Co., Ltd., Japan  
SO Jpn. Kokai Tokkyo Koho, 32 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004330432	A2	20041125	JP 2003-125099	20030430
PRAI	JP 2003-125099		20030430		

AB The sheet comprises a support coated with an ink receiving layer containing  $\geq 2$  kinds of  $\geq 2$ -valent metal compds. The sheet shows good lightfastness and ozone resistance.

L5 ANSWER 7 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2004:890425 CAPLUS  
DN 141:370520  
TI Therapeutic and prophylactic locally acting agent in the form of a self-sticking film for remineralization of solid dental tissues  
IN Chukhadzhyan, A. G.; Chukhadzhyan, G. A.; Volkov, E. A.  
PA Russia  
SO Russ., No pp. given  
CODEN: RUXXE7  
DT Patent  
LA Russian  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	RU 2238078	C1	20041020	RU 2003-101428	20030121
PRAI	RU 2003-101428		20030121		

AB The invention relates to an agent appropriate to prevent and to treat caries and hyperesthesia as well as remineralization of solid dental tissues. The agent is made in the form of a biocompatible polymer film composed of hydrophilic and hydrophobic layers, the former including fluoride ions, calcium compds., and phosphorus-containing compds. as well as antimicrobial and auxiliary substances. Using this achieved strictly controlled and simultaneous supply of calcium, phosphate, and fluoride ions.

L5 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2004:857221 CAPLUS  
DN 141:337300  
TI Glycine-free antiperspirant salts with betaine for enhanced cosmetic products  
IN Holerca, Marian; Tang, Xiaozhong; Cai, Heng  
PA Colgate-Palmolive Company, USA  
SO U.S. Pat. Appl. Publ., 11 pp., Cont.-in-part of U.S. Ser. No. 406,856.  
CODEN: USXXCO  
DT Patent  
LA English  
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004204601	A1	20041014	US 2003-462200	20030616
	US 6969510	B2	20051129		
	US 2004198998	A1	20041007	US 2003-406856	20030404

AU 2004228006 A1 20041021 AU 2004-228006 20040402  
 CA 2521245 AA 20041021 CA 2004-2521245 20040402  
 WO 2004089325 A1 20041021 WO 2004-US10224 20040402  
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 GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
 LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,  
 NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,  
 TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW  
 RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,  
 BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
 ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
 SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN,  
 TD, TG

US 2005191256 A1 20050901 US 2005-120336 20050503  
 PRAI US 2003-406856 A2 20030404  
 US 2003-462200 A 20030616  
 WO 2004-US10224 W 20040402

AB A glycine-free **aluminum** and/or **zirconium** betaine salt  
 having a metal to chloride molar ratio in the range 0.3-2.5:1, a betaine-  
**aluminum** molar ratio in the range 0.05-1.0:1 and/or a betaine-  
**zirconium** molar ratio in the range 0.2-3.0:1. Thus, a formulation  
 contained KSG-15 62, Dow Corning 2-5185 2, PPG myristyl ether 5, fragrance  
 1, glycine-free **aluminum zirconium** betaine salt 15,  
 and water 15%.

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:825186 CAPLUS

DN 141:319562

TI Glycine-free antiperspirants containing **aluminum** and  
**zirconium** salts with betaine for enhanced stability and efficacy

IN Holerca, Marian; Tang, Xiaozhong; Cai, Heng

PA USA

SO U.S. Pat. Appl. Publ., 11 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004198998	A1	20041007	US 2003-406856	20030404
	US 2004204601	A1	20041014	US 2003-462200	20030616
	US 6969510	B2	20051129		
	AU 2004228006	A1	20041021	AU 2004-228006	20040402
	CA 2521245	AA	20041021	CA 2004-2521245	20040402
	WO 2004089325	A1	20041021	WO 2004-US10224	20040402
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

US 2005191256 A1 20050901 US 2005-120336 20050503  
 PRAI US 2003-406856 A2 20030404  
 US 2003-462200 A 20030616  
 WO 2004-US10224 W 20040402

AB A glycine-free **aluminum** and/or **zirconium** betaine salt  
 having a metal to chloride molar ratio in the range of 0.3-2.5:1, a  
 betaine:**aluminum** molar ratio in the range of 0.05-1.0:1 and/or a  
 betaine:**zirconium** molar ratio in the range of 0.2-3.0:1, wherein  
 the betaine is the 1-carboxy-N,N,N-tri-Me methanaminium hydroxide inner  
 salt. The above mentioned salts are used as the active ingredient in

antiperspirant formulations, including gels, sticks and roll-ons. For example, a stick antiperspirant contained cyclomethicone 40, stearyl alc. 20, talc 7, the salts of above in powder form 15% and small amount of fragrance.

L5 ANSWER 10 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2004:547866 CAPLUS  
 DN 141:94018  
 TI Color transfer-resistant cosmetic makeup compositions  
 IN Kuroda, Akihiro  
 PA Kanebo, Ltd., Japan  
 SO Jpn. Kokai Tokkyo Koho, 16 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004189687	A2	20040708	JP 2002-361792	20021213
PRAI	JP 2002-361792		20021213		

AB The invention relates to a color transfer-resistant cosmetic makeup composition consisting of a water phase and an oil-soluble polymer-containing oily phase, wherein the composition contains a paste or crystalline water-soluble compound, volatile solvent, surfactant 0-0.05 %, water-repellent-treated pigment fine particles having a primary particle size of 5-100 nm 1-25 %. A cosmetic foundation composition was prepared from octyl p-methoxycinnamate 10, fluorosilicate 10, silicone elastomer dispersion (Trefil E-508) 5, octyltriethoxysilane-treated titanium oxide fine particle slurry 15, octyltriethoxysilane-treated zinc oxide fine particle slurry 16, methyltrimethicone 9, octylsilane/perfluoroalkylphosphate-treated titanium oxide/yellow iron oxide/bengala/black iron oxide 8.39, ethanol 7, preservative 0.2, dipropylene glycol 0.5, raffinose 0.5, trimethylglycine 0.5, and water balance to 100 % was formulated.

L5 ANSWER 11 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2004:473095 CAPLUS  
 DN 141:28254  
 TI High efficacy, low irritation aluminum salts and related products  
 IN Tang, Xiaozhong; Fei, Lin; Chopra, Suman; Hilliard, Peter  
 PA USA  
 SO U.S. Pat. Appl. Publ., 11 pp.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004109833	A1	20040610	US 2002-314712	20021209
	CA 2511831	AA	20040624	CA 2003-2511831	20031204
	WO 2004052325	A1	20040624	WO 2003-US38486	20031204
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2003293362	A1	20040630	AU 2003-293362	20031204
	EP 1572144	A1	20050914	EP 2003-790308	20031204
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	BR 2003017094	A	20051025	BR 2003-17094	20031204
	US 2005158261	A1	20050721	US 2005-80913	20050315
PRAI	US 2002-314712	A	20021209		
	WO 2003-US38486	W	20031204		



OS MARPAT 141:28254  
 AB A zirconium-free aluminum salt which: (a) has an aluminum to chloride molar ratio in the range of 0.5-2.5:1; (b) comprises a nitrogen containing buffering material in an amount such that the ratio of nitrogen containing material to aluminum is the range of 0.05-0.26:1, and which nitrogen containing material is selected from the group consisting of a nitrogen containing buffering material of formula (R1)(R2)(R3)N+(CH2)nC(O)O-1 where n is a number in the range of 1-20, and each of R1, R2, and R3 is independently selected from the group consisting of hydrogen, Me and ethyl; and (c) the salt has a pH in the range of 2-4 at a concentration of 15%; wherein the salt is free of any other halide scavenging material and has a value of at least 0.50 for the ratio calculated as: area of Peak 5/total area under Peak 2+Peak 3+Peak 4+Peak 5.

L5 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2001:578597 CAPLUS  
 DN 135:124156  
 TI Bactericide combinations in detergents  
 IN Elsmore, Richard; Houghton, Mark Phillip  
 PA Robert McBride Ltd., UK  
 SO Brit. UK Pat. Appl., 53 pp.  
 CODEN: BAXXDU  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 2354771	A1	20010404	GB 1999-23253	19991001
PRAI	GB 1999-23253		19991001		

AB The detergent comprises a bactericide in combination with an anionic, cationic, nonionic or amphoteric surfactant which has a C12-18 alkyl group as the longest chain attached to the hydrophilic moiety. Creduret 50 (hydrogenated ethoxylated castor oil) 50, citric acid 12, formalin 10, sodium alkyl benzene sulfonate (C12-20) alkyl 1, perfume white line 0.5, detergent enzyme savingase 0.2, and bactericide Pr 4-hydroxybenzoate 1.0 parts formed a detergent, showing reduction activity after contact 2.

L5 ANSWER 13 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2001:464247 CAPLUS  
 DN 135:63253  
 TI Molecular recognition imprint coatings for selective functionalized mesoporous sorbents for separation processes and sensors  
 IN Dai, Sheng; Burleigh, Mark C.; Shin, Yongsoon  
 PA University of Tennessee Research Corporation, USA; U. T. Battelle, LLC  
 SO U.S., 18 pp.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6251280	B1	20010626	US 1999-396067	19990915
PRAI	US 1999-396067		19990915		

AB High-capacity mesoporous sorbents with mol. recognition capability are prepared through a mol. imprinting technique in which the template mol., which is specific to capture a small organic mol., is bound by a bifunctional ligand to a complexing metal cation, which includes reactive ligands that react with and bind the template to the substrate. This mol. recognition capability extends to a small mol. that can fit into the pores of the substrate. Typical templates are complexes of a divalent metal cation with a trialkoxysilylalkyl-terminated 1,2-diamine or polyamine. The mesoporous sorbent is prepared by: (1) mixing an imprint coating precursor and an ordered mesoporous substrate to form a coated substrate in which the coating comprises the template bound by the bifunctional ligand, (2) treating the coated mesoporous substrate with an acid solution, (3) evaporating the mixture, and (4) titrating the coated mesoporous substrate to a neutral pH to form the sorbent. These sorbents have application in the separation and removal of metal cations from wastewater, paints, etc.; detection of target mols. (e.g., amino acids, pharmaceuticals, herbicides, fertilizers,

explosives, etc.); chromatog. active phases; imaging agents; sensors; coatings; and composites.

RE.CNT 51 THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 14 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2001:338183 CAPLUS

DN 134:335622

TI Magnetic recording medium with super thin film coating type magnetic layer adaptable to a magnetic resistance head

IN Sasaki, Hideki

PA Tdk Corporation, Japan

SO Eur. Pat. Appl., 19 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1098299	A1	20010509	EP 2000-309628	20001101
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2001195722	A2	20010719	JP 2000-334350	20001101
	US 6663939	B1	20031216	US 2000-702738	20001101
	US 2004081857	A1	20040429	US 2003-682904	20031014
	US 6908659	B2	20050621		
PRAI	JP 1999-311733	A	19991102		
	US 2000-702738	A1	20001101		

AB A magnetic recording medium for use in reproduction with an MR head, which comprises: a nonmagnetic substrate; a nonmagnetic layer including a binder resin having dispersed therein a nonmagnetic powder on the nonmagnetic substrate; and a magnetic layer on the nonmagnetic layer, in which the magnetic layer is obtained by applying a magnetic coating material on the applied, dried and cured nonmagnetic layer, the magnetic layer includes a metal magnetic powder with a mean major axis length of from 0.03-0.08  $\mu\text{m}$ , and a saturation magnetization  $\sigma_s$  of from 100-130 Am<sup>2</sup>/kg, and the center line mean roughness Ra of the magnetic layer surface is 5 nm or less.

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 15 OF 15 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1993:455828 CAPLUS

DN 119:55828

TI Status of certain additional over-the-counter drug category II and III active ingredients

CS United States Food and Drug Administration, Rockville, MD, 20857, USA

SO Federal Register (1993), 58(88), 27636-44, 10 May 1993

CODEN: FEREAC; ISSN: 0097-6326

DT Journal

LA English

AB Certain over-the-counter drugs are not generally recognized as safe and effective or are misbranded under the Federal Food, Drug, and Cosmetic Act. The list includes digestive, external analgesic, insect bite and sting, poison ivy, skin protectant, diaper rash, topical antifungal, and oral analgesic products.

=> s aluminum zirconium trichlorohydrate gly

915950 ALUMINUM

199460 ZIRCONIUM

129 TRICHLOROXYDRATE

40760 GLY

L6 69 ALUMINUM ZIRCONIUM TRICHLOROXYDRATE GLY

(ALUMINUM(W) ZIRCONIUM(W) TRICHLOROXYDRATE(W) GLY)

=> s 16 and betaine

15293 BETAINE

L7 1 L6 AND BETAINE

=> d bib abs

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2005:1867 CAPLUS  
DN 142:99982  
TI Aluminum/zirconium/glycine antiperspirant actives stabilized with  
**betaine**  
IN Holerca, Marian; Cai, Heng  
PA USA  
SO U.S. Pat. Appl. Publ., 12 pp.  
CODEN: USXXCO  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004265255	A1	20041230	US 2003-607099	20030626
	AU 2004253918	A1	20050113	AU 2004-253918	20040624
	CA 2530934	AA	20050113	CA 2004-2530934	20040624
	WO 2005003142	A1	20050113	WO 2004-US20372	20040624
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1638981	A1	20060329	EP 2004-756070	20040624
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
PRAI	US 2003-607099	A	20030626		
	WO 2004-US20372	W	20040624		
AB	Disclosed is a stabilized aluminum/zirconium/glycine salt comprising a <b>Betaine</b> of Formula I as additive: 1 in a sufficient amount to have (a) an overall ( <b>Betaine</b> + glycine)/Zr ratio in the range of 0.1-3.0:1, (b) a ratio of <b>Betaine</b> to glycine of at least 0.001:1; and (c) sufficient <b>Betaine</b> so that at least 0.1% of the ratio of <b>Betaine</b> + glycine is contributed by <b>Betaine</b> . The stabilizing effect of <b>betaine</b> on aluminum zirconium tetrachlorohydrate gly (Rezal AZP 908) was examined				

=> s 15 and betaine

15293 BETAINE

L8 10 L5 AND BETAINE

=> d 1-10 bib abs

L8 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2005:259839 CAPLUS  
DN 142:322350  
TI High efficacy gel with low glycol content  
IN Popoff, Christine; Holerca, Marian; Henao, Diana; Brahms, John  
PA Colgate-Palmolive Company, USA  
SO PCT Int. Appl., 45 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005025523	A2	20050324	WO 2004-US29116	20040908
	WO 2005025523	A3	20050609		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,				

CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,  
 GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
 LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,  
 NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,  
 TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW,  
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,  
 AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,  
 EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,  
 SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,  
 SN, TD, TG

PRAI US 2003-501128P P 20030908

AB An elastomer-free, suspension-free, water-in-oil emulsion as a clear gel with a viscosity >150,000 cP; and an overall level of silicone emollients ≤ 3 weight % as: (a) an internal phase comprising a glycine-free antiperspirant active stabilized by **betaine**; and a glycol system having ≤7.5 weight % propylene glycol; and (b) an external phase comprising cyclomethicones; a silicone copolyol; and a fragrance solubilizer; wherein: the maximum level of volatile linear silicones is ≤ 1 weight %, the water content is > 30 weight %, and the external phase is free of silicone emollients with a refractive index > 1.4200. A gel emulsion contained cyclomethicone DC-245 11.50, dimethicone copolyol/cyclomethicone 6.5, PPG-3 myristyl ether 1.00, fragrance 1.0, 35% **aluminum zirconium** octasalt solution 55.0, water 13.2, tripropylene glycol 4.0, sodium chloride 1.0, ethanol 3.5, **betaine** 3.0, and propylene glycol 0.3%.

L8 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:1867 CAPLUS

DN 142:99982

TI **Aluminum/zirconium**/glycine antiperspirant actives stabilized with **betaine**

IN Holerca, Marian; Cai, Heng

PA USA

SO U.S. Pat. Appl. Publ., 12 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004265255	A1	20041230	US 2003-607099	20030626
	AU 2004253918	A1	20050113	AU 2004-253918	20040624
	CA 2530934	AA	20050113	CA 2004-2530934	20040624
	WO 2005003142	A1	20050113	WO 2004-US20372	20040624
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1638981	A1	20060329	EP 2004-756070		20040624
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				

PRAI US 2003-607099 A 20030626

WO 2004-US20372 W 20040624

AB Disclosed is a stabilized **aluminum/zirconium**/glycine salt comprising a **Betaine** of Formula I as additive: 1 in a sufficient amount to have (a) an overall (**Betaine** + glycine)/Zr ratio in the range of 0.1-3.0:1, (b) a ratio of **Betaine** to glycine of at least 0.001:1; and (c) sufficient **Betaine** so that at least 0.1% of the ratio of **Betaine** + glycine is contributed by **Betaine**. The stabilizing effect of **betaine** on **aluminum zirconium** tetrachlorohydrate gly (Rezal AZP 908) was examined

L8 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2004:1014013 CAPLUS  
DN 141:429679  
TI Ink-jet printing sheet containing polyvalent metal compound  
IN Takashima, Masanobu; Endo, Toshiaki  
PA Fuji Photo Film Co., Ltd., Japan  
SO Jpn. Kokai Tokkyo Koho, 32 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004330432	A2	20041125	JP 2003-125099	20030430
PRAI	JP 2003-125099		20030430		

AB The sheet comprises a support coated with an ink receiving layer containing  $\geq 2$  kinds of  $\geq 2$ -valent metal compds. The sheet shows good lightfastness and ozone resistance.

L8 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2004:890425 CAPLUS  
DN 141:370520  
TI Therapeutic and prophylactic locally acting agent in the form of a self-sticking film for remineralization of solid dental tissues  
IN Chukhadzhyan, A. G.; Chukhadzhyan, G. A.; Volkov, E. A.  
PA Russia  
SO Russ., No pp. given  
CODEN: RUXXE7  
DT Patent  
LA Russian

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	RU 2238078	C1	20041020	RU 2003-101428	20030121
PRAI	RU 2003-101428		20030121		

AB The invention relates to an agent appropriate to prevent and to treat caries and hyperesthesia as well as remineralization of solid dental tissues. The agent is made in the form of a biocompatible polymer film composed of hydrophilic and hydrophobic layers, the former including fluoride ions, calcium compds., and phosphorus-containing compds. as well as antimicrobial and auxiliary substances. Using this achieved strictly controlled and simultaneous supply of calcium, phosphate, and fluoride ions.

L8 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2004:857221 CAPLUS  
DN 141:337300  
TI Glycine-free antiperspirant salts with **betaine** for enhanced cosmetic products  
IN Holerca, Marian; Tang, Xiaozhong; Cai, Heng  
PA Colgate-Palmolive Company, USA  
SO U.S. Pat. Appl. Publ., 11 pp., Cont.-in-part of U.S. Ser. No. 406,856.  
CODEN: USXXCO  
DT Patent  
LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004204601	A1	20041014	US 2003-462200	20030616
	US 6969510	B2	20051129		
	US 2004198998	A1	20041007	US 2003-406856	20030404
	AU 2004228006	A1	20041021	AU 2004-228006	20040402
	CA 2521245	AA	20041021	CA 2004-2521245	20040402
	WO 2004089325	A1	20041021	WO 2004-US10224	20040402

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,

NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,  
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW  
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,  
BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN,  
TD, TG

US 2005191256 A1 20050901 US 2005-120336 20050503  
PRAI US 2003-406856 A2 20030404  
US 2003-462200 A 20030616  
WO 2004-US10224 W 20040402

AB A glycine-free **aluminum** and/or **zirconium**  
**betaine** salt having a metal to chloride molar ratio in the range  
0.3-2.5:1, a **betaine-aluminum** molar ratio in the range  
0.05-1.0:1 and/or a **betaine-zirconium** molar ratio in  
the range 0.2-3.0:1. Thus, a formulation contained KSG-15 62, Dow Corning  
2-5185 2, PPG myristyl ether 5, fragrance 1, glycine-free **aluminum**  
**zirconium betaine** salt 15, and water 15%.

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:825186 CAPLUS

DN 141:319562

TI Glycine-free antiperspirants containing **aluminum** and  
**zirconium** salts with **betaine** for enhanced stability and  
efficacy

IN Holerca, Marian; Tang, Xiaozhong; Cai, Heng

PA USA

SO U.S. Pat. Appl. Publ., 11 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004198998	A1	20041007	US 2003-406856	20030404
	US 2004204601	A1	20041014	US 2003-462200	20030616
	US 6969510	B2	20051129		
	AU 2004228006	A1	20041021	AU 2004-228006	20040402
	CA 2521245	AA	20041021	CA 2004-2521245	20040402
	WO 2004089325	A1	20041021	WO 2004-US10224	20040402
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

US 2005191256 A1 20050901 US 2005-120336 20050503  
PRAI US 2003-406856 A2 20030404  
US 2003-462200 A 20030616  
WO 2004-US10224 W 20040402

AB A glycine-free **aluminum** and/or **zirconium**  
**betaine** salt having a metal to chloride molar ratio in the range  
of 0.3-2.5:1, a **betaine:aluminum** molar ratio in the  
range of 0.05-1.0:1 and/or a **betaine:zirconium** molar  
ratio in the range of 0.2-3.0:1, wherein the **betaine** is the  
1-carboxy-N,N,N-tri-Me methanaminium hydroxide inner salt. The above  
mentioned salts are used as the active ingredient in antiperspirant  
formulations, including gels, sticks and roll-ons. For example, a stick  
antiperspirant contained cyclomethicone 40, stearyl alc. 20, talc 7, the  
salts of above in powder form 15% and small amount of fragrance.

L8 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:473095 CAPLUS  
DN 141:28254  
TI High efficacy, low irritation **aluminum** salts and related  
products  
IN Tang, Xiaozhong; Fei, Lin; Chopra, Suman; Hilliard, Peter  
PA USA  
SO U.S. Pat. Appl. Publ., 11 pp.  
CODEN: USXXCO  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004109833	A1	20040610	US 2002-314712	20021209
	CA 2511831	AA	20040624	CA 2003-2511831	20031204
	WO 2004052325	A1	20040624	WO 2003-US38486	20031204
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2003293362	A1	20040630	AU 2003-293362	20031204
	EP 1572144	A1	20050914	EP 2003-790308	20031204
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	BR 2003017094	A	20051025	BR 2003-17094	20031204
	US 2005158261	A1	20050721	US 2005-80913	20050315
PRAI	US 2002-314712	A	20021209		
	WO 2003-US38486	W	20031204		

OS MARPAT 141:28254

AB A **zirconium**-free **aluminum** salt which: (a) has an **aluminum** to chloride molar ratio in the range of 0.5-2.5:1; (b) comprises a nitrogen containing buffering material in an amount such that the ratio of nitrogen containing material to **aluminum** is the range of 0.05-0.26:1, and which nitrogen containing material is selected from the group consisting of a nitrogen containing buffering material of formula (R1)(R2)(R3)N+(CH2)nC(O)O-1 where n is a number in the range of 1-20, and each of R1, R2, and R3 is independently selected from the group consisting of hydrogen, Me and ethyl; and (c) the salt has a pH in the range of 2-4 at a concentration of 15%; wherein the salt is free of any other halide scavenging material and has a value of at least 0.50 for the ratio calculated as: area of Peak 5/total area under Peak 2+Peak 3+Peak 4+Peak 5.

L8 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2001:464247 CAPLUS  
DN 135:63253  
TI Molecular recognition imprint coatings for selective functionalized  
mesoporous sorbents for separation processes and sensors  
IN Dai, Sheng; Burleigh, Mark C.; Shin, Yongsoon  
PA University of Tennessee Research Corporation, USA; U. T. Battelle, LLC  
SO U.S., 18 pp.  
CODEN: USXXAM  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6251280	B1	20010626	US 1999-396067	19990915
PRAI	US 1999-396067		19990915		

AB High-capacity mesoporous sorbents with mol. recognition capability are prepared through a mol. imprinting technique in which the template mol., which is specific to capture a small organic mol., is bound by a bifunctional ligand to a complexing metal cation, which includes reactive ligands that react with and bind the template to the substrate. This mol. recognition

capability extends to a small mol. that can fit into the pores of the substrate. Typical templates are complexes of a divalent metal cation with a trialkoxysilylalkyl-terminated 1,2-diamine or polyamine. The mesoporous sorbent is prepared by: (1) mixing an imprint coating precursor and an ordered mesoporous substrate to form a coated substrate in which the coating comprises the template bound by the bifunctional ligand, (2) treating the coated mesoporous substrate with an acid solution, (3) evaporating the mixture, and (4) titrating the coated mesoporous substrate to a neutral pH to form the sorbent. These sorbents have application in the separation and removal of metal cations from wastewater, paints, etc.; detection of target mols. (e.g., amino acids, pharmaceuticals, herbicides, fertilizers, explosives, etc.); chromatog. active phases; imaging agents; sensors; coatings; and composites.

RE.CNT 51 THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2001:338183 CAPLUS  
DN 134:335622  
TI Magnetic recording medium with super thin film coating type magnetic layer adaptable to a magnetic resistance head  
IN Sasaki, Hideki  
PA Tdk Corporation, Japan  
SO Eur. Pat. Appl., 19 pp.  
CODEN: EPXXDW  
DT Patent  
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1098299	A1	20010509	EP 2000-309628	20001101
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2001195722	A2	20010719	JP 2000-334350	20001101
	US 6663939	B1	20031216	US 2000-702738	20001101
	US 2004081857	A1	20040429	US 2003-682904	20031014
	US 6908659	B2	20050621		
PRAI	JP 1999-311733	A	19991102		
	US 2000-702738	A1	20001101		

AB A magnetic recording medium for use in reproduction with an MR head, which comprises: a nonmagnetic substrate; a nonmagnetic layer including a binder resin having dispersed therein a nonmagnetic powder on the nonmagnetic substrate; and a magnetic layer on the nonmagnetic layer, in which the magnetic layer is obtained by applying a magnetic coating material on the applied, dried and cured nonmagnetic layer, the magnetic layer includes a metal magnetic powder with a mean major axis length of from 0.03-0.08  $\mu\text{m}$ , and a saturation magnetization  $\sigma_s$  of from 100-130 Am<sup>2</sup>/kg, and the center line mean roughness Ra of the magnetic layer surface is 5 nm or less.

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1993:455828 CAPLUS  
DN 119:55828  
TI Status of certain additional over-the-counter drug category II and III active ingredients  
CS United States Food and Drug Administration, Rockville, MD, 20857, USA  
SO Federal Register (1993), 58(88), 27636-44, 10 May 1993  
CODEN: FEREAC; ISSN: 0097-6326  
DT Journal  
LA English  
AB Certain over-the-counter drugs are not generally recognized as safe and effective or are misbranded under the Federal Food, Drug, and Cosmetic Act. The list includes digestive, external analgesic, insect bite and sting, poison ivy, skin protectant, diaper rash, topical antifungal, and oral analgesic products.



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FILE LAST UPDATED: 29 Mar 2006 (20060329/ED)

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<http://www.cas.org/infopolicy.html>

=> s betaine

L1 15293 BETAINE

=> s l1 and "aluminum/zirconium glycine"

915950 "ALUMINUM"

199460 "ZIRCONIUM"

146966 "GLYCINE"

24 "ALUMINUM/ZIRCONIUM GLYCINE"

("ALUMINUM" (W) "ZIRCONIUM" (W) "GLYCINE")

L2 1 L1 AND "ALUMINUM/ZIRCONIUM GLYCINE"

=> d bib abs

L2 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:1867 CAPLUS

DN 142:99982

TI Aluminum/zirconium/glycine antiperspirant  
actives stabilized with betaine

IN Holerca, Marian; Cai, Heng

PA USA

SO U.S. Pat. Appl. Publ., 12 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004265255	A1	20041230	US 2003-607099	20030626
	AU 2004253918	A1	20050113	AU 2004-253918	20040624
	CA 2530934	AA	20050113	CA 2004-2530934	20040624
	WO 2005003142	A1	20050113	WO 2004-US20372	20040624
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1638981	A1	20060329	EP 2004-756070		20040624
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				

PRAI US 2003-607099 A 20030626  
WO 2004-US20372 W 20040624

AB Disclosed is a stabilized aluminum/zirconium/  
glycine salt comprising a Betaine of Formula I as  
additive: 1 in a sufficient amount to have (a) an overall (Betaine  
+ glycine)/Zr ratio in the range of 0.1-3.0:1, (b) a ratio of  
Betaine to glycine of at least 0.001:1; and (c) sufficient  
Betaine so that at least 0.1% of the ratio of Betaine +  
glycine is contributed by Betaine. The stabilizing effect of  
betaine on aluminum zirconium tetrachlorohydrate gly (Rezal AZP  
908) was examined

=> s l1 and zirconium  
199460 ZIRCONIUM  
L3 56 L1 AND ZIRCONIUM

=> s l3 and aluminum  
915950 ALUMINUM  
L4 19 L3 AND ALUMINUM

=> s l4 and glycine  
146966 GLYCINE  
L5 11 L4 AND GLYCINE

=> d 1-11 bib abs

L5 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2005:259839 CAPLUS  
DN 142:322350  
TI High efficacy gel with low glycol content  
IN Popoff, Christine; Holerca, Marian; Henao, Diana; Brahms, John  
PA Colgate-Palmolive Company, USA  
SO PCT Int. Appl., 45 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005025523	A2	20050324	WO 2004-US29116	20040908
	WO 2005025523	A3	20050609		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

PRAI US 2003-501128P P 20030908

AB An elastomer-free, suspension-free, water-in-oil emulsion as a clear gel with a viscosity >150,000 cP; and an overall level of silicone emollients ≤ 3 weight % as: (a) an internal phase comprising a glycine-free antiperspirant active stabilized by betaine; and a glycol system having ≤7.5 weight % propylene glycol; and (b) an external phase comprising cyclomethicones; a silicone copolyol; and a fragrance solubilizer; wherein: the maximum level of volatile linear silicones is ≤ 1 weight %, the water content is > 30 weight %, and the external phase is free of silicone emollients with a refractive index > 1.4200. A gel emulsion contained cyclomethicone DC-245 11.50, dimethicone copolyol/cyclomethicone 6.5, PPG-3 myristyl ether 1.00, fragrance 1.0, 35% aluminum zirconium octasalt solution 55.0, water 13.2, tripropylene glycol 4.0, sodium chloride 1.0, ethanol 3.5, betaine 3.0, and propylene glycol 0.3%.

L5 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2005:1867 CAPLUS  
 DN 142:99982  
 TI Aluminum/zirconium/glycine antiperspirant  
 actives stabilized with betaine  
 IN Holerca, Marian; Cai, Heng  
 PA USA  
 SO U.S. Pat. Appl. Publ., 12 pp.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004265255	A1	20041230	US 2003-607099	20030626
	AU 2004253918	A1	20050113	AU 2004-253918	20040624
	CA 2530934	AA	20050113	CA 2004-2530934	20040624
	WO 2005003142	A1	20050113	WO 2004-US20372	20040624
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1638981	A1	20060329	EP 2004-756070	20040624
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				

PRAI US 2003-607099 A 20030626  
 WO 2004-US20372 W 20040624

AB Disclosed is a stabilized aluminum/zirconium/glycine salt comprising a Betaine of Formula I as additive: 1 in a sufficient amount to have (a) an overall (Betaine + glycine)/Zr ratio in the range of 0.1-3.0:1, (b) a ratio of Betaine to glycine of at least 0.001:1; and (c) sufficient Betaine so that at least 0.1% of the ratio of Betaine + glycine is contributed by Betaine.  
 The stabilizing effect of betaine on aluminum zirconium tetrachlorohydrate gly (Rezal AZP 908) was examined

L5 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2004:1014013 CAPLUS  
 DN 141:429679  
 TI Ink-jet printing sheet containing polyvalent metal compound  
 IN Takashima, Masanobu; Endo, Toshiaki  
 PA Fuji Photo Film Co., Ltd., Japan  
 SO Jpn. Kokai Tokkyo Koho, 32 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004330432	A2	20041125	JP 2003-125099	20030430
PRAI	JP 2003-125099		20030430		

AB The sheet comprises a support coated with an ink receiving layer containing  $\geq 2$  kinds of  $\geq 2$ -valent metal compds. The sheet shows good lightfastness and ozone resistance.

L5 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2004:857221 CAPLUS  
 DN 141:337300  
 TI Glycine-free antiperspirant salts with betaine for enhanced cosmetic products  
 IN Holerca, Marian; Tang, Xiaozhong; Cai, Heng

PA Colgate-Palmolive Company, USA  
SO U.S. Pat. Appl. Publ., 11 pp., Cont.-in-part of U.S. Ser. No. 406,856.  
CODEN: USXXCO  
DT Patent  
LA English  
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004204601	A1	20041014	US 2003-462200	20030616
	US 6969510	B2	20051129		
	US 2004198998	A1	20041007	US 2003-406856	20030404
	AU 2004228006	A1	20041021	AU 2004-228006	20040402
	CA 2521245	AA	20041021	CA 2004-2521245	20040402
	WO 2004089325	A1	20041021	WO 2004-US10224	20040402
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

	US 2005191256	A1	20050901	US 2005-120336	20050503
PRAI	US 2003-406856	A2	20030404		
	US 2003-462200	A	20030616		
	WO 2004-US10224	W	20040402		

AB A **glycine-free aluminum** and/or **zirconium betaine** salt having a metal to chloride molar ratio in the range 0.3-2.5:1, a **betaine-aluminum** molar ratio in the range 0.05-1.0:1 and/or a **betaine-zirconium** molar ratio in the range 0.2-3.0:1. Thus, a formulation contained KSG-15 62, Dow Corning 2-5185 2, PPG myristyl ether 5, fragrance 1, **glycine-free aluminum zirconium betaine** salt 15, and water 15%.

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 5 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:825186 CAPLUS

DN 141:319562

TI **Glycine-free antiperspirants** containing **aluminum** and **zirconium** salts with **betaine** for enhanced stability and efficacy

IN Holerca, Marian; Tang, Xiaozhong; Cai, Heng

PA USA

SO U.S. Pat. Appl. Publ., 11 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004198998	A1	20041007	US 2003-406856	20030404
	US 2004204601	A1	20041014	US 2003-462200	20030616
	US 6969510	B2	20051129		
	AU 2004228006	A1	20041021	AU 2004-228006	20040402
	CA 2521245	AA	20041021	CA 2004-2521245	20040402
	WO 2004089325	A1	20041021	WO 2004-US10224	20040402
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,				

ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN,  
TD, TG

US 2005191256 A1 20050901 US 2005-120336 20050503  
PRAI US 2003-406856 A2 20030404  
US 2003-462200 A 20030616  
WO 2004-US10224 W 20040402

AB A glycine-free aluminum and/or zirconium  
betaine salt having a metal to chloride molar ratio in the range  
of 0.3-2.5:1, a betaine:aluminum molar ratio in the  
range of 0.05-1.0:1 and/or a betaine:zirconium molar  
ratio in the range of 0.2-3.0:1, wherein the betaine is the  
1-carboxy-N,N,N-tri-Me methanaminium hydroxide inner salt. The above  
mentioned salts are used as the active ingredient in antiperspirant  
formulations, including gels, sticks and roll-ons. For example, a stick  
antiperspirant contained cyclomethicone 40, stearyl alc. 20, talc 7, the  
salts of above in powder form 15% and small amount of fragrance.

L5 ANSWER 6 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2004:698143 CAPLUS  
DN 141:230305  
TI Natural polymer in a prepared form for cosmetic formulations  
IN Graefe, Juergen E.  
PA Graefe Chemie GmbH, Germany  
SO PCT Int. Appl., 26 pp.  
CODEN: PIXXD2  
DT Patent  
LA German  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004071474	A1	20040826	WO 2003-EP1467	20030214
	W: BR, JP, KR, US				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR				

PRAI WO 2003-EP1467 20030214  
AB The invention relates to the use of modified natural polymers in a novel  
form, i.e. in a pre-prepared or formulated mol. disperse solution for cosmetic  
and dermatol. preps. Thus a pearly hair and body shower gel contained  
(%): Texapon NSO 25.0; disodium laureth sulfosuccinate 10.0; Plantaren  
2000 6.0; Dehyton K 10.0; Cosmedia Guar C 261 N 0.3; Cetirol RE 0.25;  
Euperlan PK 3000-AM 5.0; Arlypon F 0.75; Antil 141 L 1.0; sodium chloride,  
preservatives, dyes, perfume q.s.; water to 100; lactic acid to pH 6.

L5 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2004:473095 CAPLUS  
DN 141:28254  
TI High efficacy, low irritation aluminum salts and related  
products  
IN Tang, Xiaozhong; Fei, Lin; Chopra, Suman; Hilliard, Peter  
PA USA  
SO U.S. Pat. Appl. Publ., 11 pp.  
CODEN: USXXCO  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004109833	A1	20040610	US 2002-314712	20021209
	CA 2511831	AA	20040624	CA 2003-2511831	20031204
	WO 2004052325	A1	20040624	WO 2003-US38486	20031204
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,				

ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,  
TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2003293362 A1 20040630 AU 2003-293362 20031204  
EP 1572144 A1 20050914 EP 2003-790308 20031204  
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK  
BR 2003017094 A 20051025 BR 2003-17094 20031204  
US 2005158261 A1 20050721 US 2005-80913 20050315  
PRAI US 2002-314712 A 20021209  
WO 2003-US38486 W 20031204

OS MARPAT 141:28254

AB A zirconium-free aluminum salt which: (a) has an aluminum to chloride molar ratio in the range of 0.5-2.5:1; (b) comprises a nitrogen containing buffering material in an amount such that the ratio of nitrogen containing material to aluminum is the range of 0.05-0.26:1, and which nitrogen containing material is selected from the group consisting of a nitrogen containing buffering material of formula (R1)(R2)(R3)N+(CH2)nC(O)O-1 where n is a number in the range of 1-20, and each of R1, R2, and R3 is independently selected from the group consisting of hydrogen, Me and ethyl; and (c) the salt has a pH in the range of 2-4 at a concentration of 15%; wherein the salt is free of any other halide scavenging material and has a value of at least 0.50 for the ratio calculated as: area of Peak 5/total area under Peak 2+Peak 3+Peak 4+Peak 5.

L5 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2003:511106 CAPLUS  
DN 139:90066  
TI Deodorant foam containing surfactants and solubilizers  
IN Banowski, Bernhard; Weiler, Claudia; Wadle, Armin  
PA Henkel Kommanditgesellschaft Auf Aktien, Germany  
SO PCT Int. Appl., 29 pp.  
CODEN: PIXXD2

DT Patent  
LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003053388	A1	20030703	WO 2002-EP14101	20021212
	W: PL, RU, US				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR				
	DE 10163247	A1	20030703	DE 2001-10163247	20011221
	EP 1455743	A1	20040915	EP 2002-795159	20021212
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, CY, TR, BG, CZ, EE, SK				
PRAI	DE 2001-10163247	A	20011221		
	WO 2002-EP14101	W	20021212		

AB The invention relates to a method for reducing odor or sweat formation and to a cosmetic product to be applied in the form of a foam of a deodorant or antiperspirant substance. The cosmetic product consists of a foam dispenser that is operated either with air or with a volatile propellant, and a liquid, foaming composition. The composition contains water or a water-ethanol mixture as the support, at least one foaming surfactant, at least one oily component liquid at 25°, at least one perfume oil, at least one non-ionic hydrophilic solubilizer for the perfume oil and at least one deodorant or anti-perspirant substance. Thus a formulation included (weight/weight%): decyl glucoside 0.5; aluminum chlorohydroxide 8; ethanol 10; 1,2-propylene glycol 2; hexyl decanol 1; perfume 0.5; PEG-40 hydrogenated castor oil 3; water to 100.

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2003:282687 CAPLUS  
DN 138:289406  
TI Toilet bar having a latent acidifier  
IN Finucane, Kevin Michael; Casbarro, Bruce; Puvvada, Sudhakar; Podgorsky, Joseph James  
PA Unilever Plc, UK; Unilever Nv; Hindustan Lever Limited

SO PCT Int. Appl., 52 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003029395	A1	20030410	WO 2002-EP10275	20020912
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2003134762	A1	20030717	US 2001-967280	20010928
	US 6660699	B2	20031209		
	CA 2456905	AA	20030410	CA 2002-2456905	20020912
	EP 1430107	A1	20040623	EP 2002-800082	20020912
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
	BR 2002013072	A	20041013	BR 2002-13072	20020912
	CN 1561384	A	20050105	CN 2002-819220	20020912
	JP 2005504168	T2	20050210	JP 2003-532617	20020912
	ZA 2004000888	A	20050203	ZA 2004-888	20040203
PRAI	US 2001-967280	A	20010928		
	WO 2002-EP10275	W	20020912		

AB Mild toilet bar comps. contain harsh to the skin cleansing components, such as soap, and 0.1-20% latent acidifier such as  $Al_2(SO_4)_3$ . The latent acidifier reduces the pH of the toilet bar when used for cleansing but does not substantially affect the hardness of the toilet bar. As an example, 1 part  $CaSO_4$  was mixed with 9 parts base containing Na cocoyl isethionate, C10-18 fatty acids, cocoamidopropyl **betaine**, Na isethionate/NaCl, and water.

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2001:464247 CAPLUS

DN 135:63253

TI Molecular recognition imprint coatings for selective functionalized mesoporous sorbents for separation processes and sensors

IN Dai, Sheng; Burleigh, Mark C.; Shin, Yongsoon

PA University of Tennessee Research Corporation, USA; U. T. Battelle, LLC

SO U.S., 18 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6251280	B1	20010626	US 1999-396067	19990915
PRAI	US 1999-396067		19990915		

AB High-capacity mesoporous sorbents with mol. recognition capability are prepared through a mol. imprinting technique in which the template mol., which is specific to capture a small organic mol., is bound by a bifunctional ligand to a complexing metal cation, which includes reactive ligands that react with and bind the template to the substrate. This mol. recognition capability extends to a small mol. that can fit into the pores of the substrate. Typical templates are complexes of a divalent metal cation with a trialkoxysilylalkyl-terminated 1,2-diamine or polyamine. The mesoporous sorbent is prepared by: (1) mixing an imprint coating precursor and an ordered mesoporous substrate to form a coated substrate in which the coating comprises the template bound by the bifunctional ligand, (2) treating the coated mesoporous substrate with an acid solution, (3) evaporating the mixture, and (4) titrating the coated mesoporous substrate to a neutral

pH to form the sorbent. These sorbents have application in the separation and removal of metal cations from wastewater, paints, etc.; detection of target mols. (e.g., amino acids, pharmaceuticals, herbicides, fertilizers, explosives, etc.); chromatog. active phases; imaging agents; sensors; coatings; and composites.

RE.CNT 51 THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1993:455828 CAPLUS  
DN 119:55828  
TI Status of certain additional over-the-counter drug category II and III active ingredients  
CS United States Food and Drug Administration, Rockville, MD, 20857, USA  
SO Federal Register (1993), 58(88), 27636-44, 10 May 1993  
CODEN: FEREAC; ISSN: 0097-6326  
DT Journal  
LA English  
AB Certain over-the-counter drugs are not generally recognized as safe and effective or are misbranded under the Federal Food, Drug, and Cosmetic Act. The list includes digestive, external analgesic, insect bite and sting, poison ivy, skin protectant, diaper rash, topical antifungal, and oral analgesic products.